

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/554,173A
Source: TFW00
Date Processed by STIC: 03/21/2007

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/554,173A

DATE: 03/21/2007
TIME: 10:35:38

Input Set : A:\SEQLIST 2002400.TXT
Output Set: N:\CRF4\03212007\J554173A.raw

4 <110> APPLICANT: SWETREE TECHNOLOGIES AB
5 Hertzberg, Magnus
7 <120> TITLE OF INVENTION: TISSUE SPECIFIC PROMOTERS
10 <130> FILE REFERENCE: 514862002400
12 <140> CURRENT APPLICATION NUMBER: 10/554,173A
13 <141> CURRENT FILING DATE: 2005-10-21
15 <150> PRIOR APPLICATION NUMBER: PCT/SE2004/000604
16 <151> PRIOR FILING DATE: 2004-04-20
18 <150> PRIOR APPLICATION NUMBER: SE0301233-3
19 <151> PRIOR FILING DATE: 2003-04-28
21 <160> NUMBER OF SEQ ID NOS: 5
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1093
27 <212> TYPE: DNA
28 <213> ORGANISM: Populus tremula x tremuloides
30 <400> SEQUENCE: 1
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32 tttrcattga taatatttcc aatatttaaa attaaatggt catcatcatt cgattaattc 120
33 acaatattta gtcctgtcta atcatagaaa tcttgctcc gtacatgaaa gttgattaaa 180
34 aataaataag ttattaaatct tattagttaa tttgatgtat tgattcatga gtttagtaga 240
35 tttatccatc aaatctaata tgatTTTT tagTTTTGG ttcattgatt tttctaattg 300
36 ttttttatt ttactatTTT tcagtattgr attgttaaa aaataaaatt tatagtttat 360
37 ttttttttc tatagagcta tcactatctc aataaataatc ttttagagt tggtgtttga 420
38 ttttgtaaac atcaaatttt atcataaaat taaataaaaaa taatttataa aaacaacaaa 480
39 gttaaacct attgaaatct ataacccaaag tcacaaagtt accaaaactt atttaattt 540
40 gtatcatctc aataataatt aaaaaattat tgTTTTaatt tttttttaaa tctatcatat 600
41 tttaactaat tatttaattt atctttgaac ttattaaattt aaattrttca tgcttgtag 660
42 agaaaatattt ctactaataa ataacttttgc tcataactaag tcatgaaaaa tgcgtatctt 720
43 aatgatacaa gaacagaagt cccaaagcag gggggtaaa gaaagggaga ggttgcctat 780
44 atattgcct tacacttact ctacaaggaa cctttgcac ctaatgagcg taataaatacg 840
45 tatagcayga tagcaatagc acaatagctc agaaatgata tagttctaa ctaatataga 900
46 agacaacacg agcccaagat gttagccctc caacttatgc caccctaacc tgcgtttata 960
47 ctctaaaaag ataaatgtat aaaaaaagtg aaaacctaac tgtacatggc tttagctta 1020
48 ctctactca aacagccata aaaaatccca aaacgaggcc tctaaaagtg tcctcatcat 1080
49 tctgttgctt cag 1093
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 1245
53 <212> TYPE: DNA
54 <213> ORGANISM: Populus tremula x tremuloides
56 <400> SEQUENCE: 2
57 gaattcataa taattggatt ggacttgcatttttttta gagatttac aattgtgttt 60
58 tatttttaa catttattaa attaaatggc ctaggactat acataccctt tctatgtatgt 120

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59 atttagtatt gcgttcaaa taggggttga ataaaatttg aattttattt ctgtttaaaa 180
60 ttatTTTTt tatgtttca aatcgTTTtg atgtgctgat atcaaaaata atttgaaaaa 240
61 aaatataat tattttgatg tattttgaa taaaaaatac tttgaaaaac aactggttat 300
62 tacagtctca aacactccta gtatgttag gcatagttt aactcagtc cgacctggcg 360
63 ggtcgacttg ggactggaac cggggcggat taaagaaaaa aataaaaaaaa gaaaaaactt 420
64 ggtgtgaccc ggtgactcggt tgacccaga tgcaacccat tgatTTTgt tttttttaaa 480
65 ctaaaattac attgtttgc ttttttaaaa aaaaaaatttgc acccgtaaaa cctggtcaaa 540
66 acccgaaatc gaggtcttgg accgggacgg gtctaaaaac tatgatctt ggtcaatata 600
67 ttaagacaac aaggtaaaat taaagggtaa tcaaaggaga gttttttttt ggttgggtgg 660
68 ttgttttgg acctaatac acaatcataa aataatcatg gatcaaaaatg tagtaattc 720
69 aatcatggtg tgaatagat tttttatag atcatgtgtc accagctagg tcttttcca 780
70 aaattctaac aagaggttgg tatatgtaat aaaattatct ttaaacagac acaacccaca 840
71 ccctctataa ttaatcttaa caacaagtttta atataaaaaca atttttttt tttgtctaaa 900
72 tatattttgc tgaygggtag catcccacca actatctggt gcagatagca actcaagtcc 960
73 ttcccaataa acacattttt ccatgattcc tttcacttca agtgcacaact aaacgaagca 1020
74 aaggctcgatc aaattaaaaa aaaaaaaaaa agggtccga ataatcataa tggctttttt 1080
75 gagtttgcga gtacctgtca tcgaccrgrt agcttcaacc tccgaaaaaa aacatacagc 1140
76 ttgcctataa aacaactctt tggatttttca ttgttgcattt ccacrtctt caatctctt 1200
77 caaagaatcc ctttctttt cctcaaaaact caggggtcag tatct 1245
79 <210> SEQ ID NO: 3
80 <211> LENGTH: 1133
81 <212> TYPE: DNA
82 <213> ORGANISM: Populus tremula x tremuloides
84 <400> SEQUENCE: 3
85 atcagcgcat caaaatttac taaaacattt aaaaatataat taatttcaag aaaaaaaaata 60
86 aaaaaattta aaaaaaattt acaaataaaat taaaattca aatacaaaac agattgatata 120
87 agaatttact attaattata cctctataag cagagacata atattctttt ttgagaaaca 180
88 aaatattattt attaatttata ttccaacaaa aaaaacaatc aatcttttta ttttagaaag 240
89 taaaataact tataattgtt cataattgtt tggatgatgaa cgtcatgtt gtcggggta 300
90 gacccctct tggtaaaat aaaaataaaaa aataatttc taatcttatac caaaatttgc 360
91 aacctctgyc aactgaaata tagtattttt agaatttata ttttaatgaa aatccaaatg 420
92 cttagaattt attttagcca tggatgatgaa agtcaagg accccattaa ataaaataaa 480
93 ataaaataaa aatttacaag gtaattatgc accttagaaat ttttattttt ttaatataat 540
94 aataccctt tctgactgga aaaggctgatc aggttgcattt tcacacaaca aatatcagct 600
95 atttcaggat ccatcgactt actcgcaatc ttccacattt gcaaaatcag agcagcgtat 660
96 gcccgtttt ttccacccctt ttatcgactt aatcccttagg acgaacagtg tttattgtt 720
97 ttctcttaat attttagccctt ttcaattttt yggaaatgca aatgtttaattt tccaccgagc 780
98 tttatcctgtt aaatagcgtt ttaatgcca gctgtaaata agatagatgaa tcgattttgt 840
99 atttacattt tcttatttttta gacggaaatg tattaaaaaa ataaaataaa atagaaaccc 900
100 acctaagatg tgaactcttgc gctgtcttag ctgtttctgt ctctagaaca acctctacga 960
101 gtatagccga agcatatctt agcaagcttgc aaccatatactt actacctccc tcccccgtat 1020
102 atatatataa accactcttcc ttccatgaaa aaaaataacc ctcgatctt ctttcttgc 1080
103 cttatgttgc ttttgggttgc ttttcatata tcatttttttttgcataa tataccaaga tct 1133
105 <210> SEQ ID NO: 4
106 <211> LENGTH: 1807
107 <212> TYPE: DNA
108 <213> ORGANISM: Populus tremula x tremuloides
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature

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112 <222> LOCATION: 616
 113 <223> OTHER INFORMATION: n = A,T,C or G
 115 <400> SEQUENCE: 4
 116 gatgaaaag ctggaatgag aatgcgctaa atgcgaaaag acagagagag cgaataaattc 60
 117 gtcaaaaaaaaa aggagtgggg tggtaacgg gttgagctag aagaagaaaa gggacaagtg 120
 118 cacttagga gggggcaac cagacgtag atgataatgg ttcatgtgga aacaacacac 180
 119 atgagcagtt ggtgagaact tgaatgaacc ctaacagccc aaccaaaaccc ggagccaccc 240
 120 ttacccaacc accacttcta aaagtacacc atgcctttt ctgagcytg gttgcacagg 300
 121 gtcrrggtg gggttgttc gtttggta atcatgcgt agttaaata cctttgcgt 360
 122 aatcatatca atggygactt ttaagcacat gttaggtgct cgttcttat ctaaacatgg 420
 123 acatggcmaa aagagttaat gctaaaataa tatacgata tacctgtgaa tgaatcg 480
 124 ctgtcttcg attatggctt caaattaata tgagataaa caagtgtcga ttttcagtg 540
 125 aagattttat gaaagtggcc gttccctta agattacctg tgaatgaatc atccctgtca 600
 W--> 126 ggctgatcct gggtnnnnn tccccatgrt gttcggaaaga tataattata taaatgatgg 660
 127 aatttacatg aaataagttt cagtagattt ttagcagaaaa agcaatatacg acgaagacaa 720
 128 atgatgctgt ttaagacaaa ctggggtaat atcaattac tagtaagaga tttgkctgct 780
 129 ttcttaattt ctcaagaaac ttcactaaa atgcacagcc atgttaaaca attacgttc 840
 130 aactaaaaaa ctaaaactgc aggatggta gctatccaag aatgattaaat aaacgattt 900
 131 aacaagaac tacgtttttt gtaaacttaa tttgtatggg catgttagtta acaagttt 960
 132 gtcattgtatc aattcaagag ccatgtctgc atcataattt tggaggtgga ggaggctttt 1020
 133 gttgctaggg aaggaatgcc ttcttagttc atggcttgg acttcggaca aggagcgt 1080
 134 agaatgggtt taccattttt gaaaaaaattt acatttgaac cctccaaacta ttatcatgt 1140
 135 tggtaatct acaatcctcg tccgctgaa gaagttggg tccaaagtca tccgctcaat 1200
 136 gtaaaccatg gagaggcagg gactaattga aaatagatg ttatgtggag ggtctgatg 1260
 137 tattatgtcc aaacatttctc ttattattcc tttatcatct ctgagaaaattt catccaaaa 1320
 138 taataaaaaca aaatggcctt tttaaaaaaa agaagctgtt gcataggata cccaaagcgc 1380
 139 ctgtccattt aggagcgtca gactttgaaa ataagaccaa taattccctg taagctatca 1440
 140 tctcatctt tattttgtt gaaactgttag acgttagctt taagcgttcc atgatgttca 1500
 141 gtcacatgtt gctgtctact tgattatggaa atttaattca ttcggctcat aagaagataa 1560
 142 aaggattatg acgttgaaga actctggta ctccttactt acggtcacat aaaaacgatg 1620
 143 catcttccc caccaaccat ctcaagtgaa acccacttcc cttgcattt ggttaaggat 1680
 144 atgggttaag tcatcttcat gaaatttagtc cccttagtgga gctaattctt ctcactccat 1740
 145 atttactcat tccactatata aacgcctca acgaccatcc tcaaagcaac cccaaacaccc 1800
 146 tcttctc
 148 <210> SEQ ID NO: 5
 149 <211> LENGTH: 1494
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Populus tremula x tremuloides
 153 <220> FEATURE:
 154 <221> NAME/KEY: misc_feature
 155 <222> LOCATION: 337
 156 <223> OTHER INFORMATION: n = A,T,C or G
 158 <400> SEQUENCE: 5
 159 tctgcttatg aatggcatgg acaacaagct ctgcattttc gcccatttgc accacaaaaat 60
 160 cgttgtgtga agattttga agggcaccag cacaactttg aaaagaactt gtgaaaagat 120
 161 agctggtcac cagatggaaag caaggttact agtgcagatc gcatggctta tatatgaatc 180
 162 tgtcaatgag tgtgtctcc acctactgaa cctatcttgc gatcatgcag cagcgcacaaa 240
 163 cagatttatac ttggggaaat ctgattacta ttttgtcagt ttgcttaaaa cgagttgtta 300
 W--> 164 gtaacagtga ggatattytcg gggcttgctt gtgagcnccc aacagaaaaag attaaacagg 360

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165 ttgtaatgga tactatgtta cattttactt aactttctca tattcctgctg acatgtttgc 420
166 agttctttt tgcttggc cgatcctttt caactgaagt atgtacgcat gaatcaatta 480
167 gctcaaaaatg tatgttcgag caatatgcct ggtgaatgtt tgttaagata cggaaaattt 540
168 agttactgaa cttgtactct ttgatttga aacaagtttc cgactatgtt cattgtccta 600
169 gcacgggtat attgatacgt cgaattttca actattttg tcttgggttc aactatttct 660
170 gtcttgattt tcaaagtctt tttgaaaata aaaaacccaa aaatatgtt tcagtgtctt 720
171 gtagctaaa tctgtgtac aaccaagcct ccccgacttg ctttggaaa aagaaagatg 780
172 ggagctgggg gttttgtgtt gattatacaa aaccttacga gataactgat atacaagcaa 840
173 aaacacccttc atattattga atctgcact tctacagttc atttctgagg aagaattagg 900
174 tgactacttt ctggactaga tatttccgtg ttcaatgcgt cgcaacaatt gatttgg 960
175 ctggattatg aacatgataa tcacactata gaaagacgac gattatattt caagctatgg 1020
176 acaatgatgt tacctgctcg aagatcaata cgcttgaagg ccaagatatg atcascaggt 1080
177 atgcaggcag tccagatggc ttcttggat atgagctca agattgttct tgaaaagaac 1140
178 caaataaaatt gtaaaattct ctggaaatat tttttgtaa aattatcagc attgctattt 1200
179 ttttttcaa attcatttaa atattgtat tgggttagta gttcagcgca attaacttag 1260
180 ctggcagtct ggcattagct tcaaattata tcacaacgtt aaaagcagcc gttgcaacta 1320
181 gtcagccccac tagcattgc tggtgaccaa tcagatcata aaaggaaaaac tagccgttgg 1380
182 caaaccctct ttcaacggtc atctccctgc ttcatgatat atatgcttag atatcccagt 1440
183 atcccccttca acaaattatc tcaatcttca aaaccctgtc cccagttaca gcag 1494

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/21/2007
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 616
Seq#:5; N Pos. 337

VERIFICATION SUMMARY

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L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300